

CLAIMS

1. A kit for implanting in a duct (12), the kit being of the type comprising:
 - a tubular endoprosthesis (14); and
 - 5 · a prosthetic valve (16; 116; 216);
 the kit being characterized in that the prosthetic valve is for implanting removably in the tubular endoprosthesis (14) and comprises firstly a carrier frame (22; 122; 222) that is radially deformable in elastic
 10 manner relative to a main axis (X-X) between a deployed implanted position and a folded, implanting position, which carrier frame (22; 122; 222) is urged resiliently towards its deployed position, and secondly a flexible shutter (24; 124; 224) connected to the carrier frame
 15 (22; 122; 222) and deformable between an obstruction position in which it is extended transversely, and a release position in which it is contracted transversely under the action of the flow passing through the carrier frame (22; 122; 222), the valve (16; 116; 216) including
 20 integrated centripetal compression means (26A, 26B, 122, 126A, 126B, 126C; 226) for compressing said carrier frame (22; 122; 222) towards its folded position against the resilient action.

- 25 2. A kit according to claim 1, characterized in that said shutter comprises a pouch (24; 124; 224).

3. A kit according to claim 2, characterized in that the pouch (24; 124; 224) includes an evacuation orifice (40)
 30 formed in its end wall (38).

4. A kit according to claim 2 or claim 3, characterized in that the end wall (38) of the kit (24; 124; 224) is generally hemispherical.

- 35 5. A kit according to any preceding claim, characterized in that the centripetal compression means comprise a

- clamp having at least two branches (26A, 26B; 126A, 126B, 126C) connected together in a common region (28; 128), each branch being connected to said shutter (24, 124) in a connection segment (30A, 30B), each of the branches
- 5 (26A, 26B; 126A, 126B, 126C) presenting a drive segment (32A, 32B) suitable for co-operating with a complementary clamping member for centripetally compressing the carrier frame towards its folded position.
- 10 6. A kit according to claim 5, characterized in that the branches (26A, 26B; 126A, 126B, 126C) are welded together in their common region (28, 128), and the carrier frame (22, 122) is fork-shaped, each branch being elastically deformable, the drive segments (32A, 32B) and the
- 15 connection segments (30A, 30B) for connecting the branches to the shutter both being situated on the same side of the weld.
7. A kit according to claim 5 or claim 6, characterized
- 20 in that the carrier frame (122) has two branches (26A, 26B).
8. A kit according to claim 5 or claim 6, characterized in that the carrier frame (122) has three branches (126A,
- 25 126B, 126C).
9. A kit according to any one of claims 2 to 4 and any one of claims 5 to 8, characterized in that the valve (16; 46; 216) includes threads (42) connecting the end
- 30 wall (40) of the pouch to each of the branches (26A, 26B; 126A, 126B, 126C).
10. A kit according to any one of claims 1 to 4, characterized in that the carrier frame (222) comprises a
- 35 resilient wire mesh (222) and said centripetal compression means comprise a constriction strand (226) engaged around said resilient wire mesh (222).

11. A prosthesis implanted from a kit according to any preceding claim, the tubular endoprosthesis (14) being against the inside surface of a duct (12), the prosthetic
5 valve (16; 116; 216) being disposed in said tubular endoprosthesis (14).